

1057

ACIDIC PRECIPITATION
IN ONTARIO STUDY

ANNUAL STATISTICS
OF CONCENTRATION:
CUMULATIVE AMBIENT
AIR MONITORING NETWORK
1988

JULY 1990



Ontario

Environment
Environnement

Jim Bradley, Minister/ministre

ISSN 0824-880X (mainseries)
ISSN 0830-1638 (subseries)

ACIDIC PRECIPITATION IN ONTARIO STUDY

ANNUAL STATISTICS OF CONCENTRATION:

CUMULATIVE AMBIENT AIR MONITORING NETWORK

1988

Report prepared by:
Atmospheric Research and Special Projects Section
Air Resources Branch
Ontario Ministry of the Environment

ARB-003-90

JULY 1990



Copyright: Queen's Printer for Ontario, 1990
This publication may be reproduced for non-commercial purposes
with appropriate attribution

FIBS 1059
LOG 90-2207-003

ACKNOWLEDGEMENTS

This report was prepared by Diane Green of the APIOS Atmospheric Deposition and Chemistry Program. However, the data themselves are a product of the combined efforts of many individuals. Precipitation samples were collected by a large number of site operators, whose names cannot be individually mentioned here, under the coordination of the APIOS environmental technicians Scott Kennedy (in the Southwestern Region), Steve Elliott (in Southeastern Region), Wim Smits (in Northwestern Region), Bill Trayling (Northeastern Region), and J.P. Varto (in Central Region). Sample handling was carried out by Sue Lampinen and Gail Fielding. Chemical analyses were performed at the Laboratory Services Branch under the coordination of Frank Tomassini. Invaluable clerical and computer assistance were provided by Peter Maheras, Joseph Lamb and Roberto Banchon. All enquiries regarding the reported data should be directed to Neville Reid, Coordinator, Atmospheric Deposition and Chemistry Program, at (416) 326-1691.

TABLE OF CONTENTS

	<u>Page</u>
PART I INTRODUCTION	III
PART II STATION DESCRIPTION AND LOCATION MAP	VI
PART III SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY STATION	

<u>Station</u>	<u>Map Ref. No.</u>	
Campbellford	13	1
Cloyne	14	2
Colchester	1	3
Dalhousie Mills	16	4
Dorion	31	5
Dorset	20	6
Ear Falls	35	7
Geraldton	30	8
Golden Lake	17	9
Gowganda	25	10
Killarney	23	11
Mattawa	22	12
McKellar	21	13
Moonbeam	27	14
Moosonee	38	15
Palmerston	8	16
Pickle Lake	36	17
Port Stanley	3	18
Quetico Centre	32	19
Shallow Lake	9	20
Smith's Falls	15	21
Turkey Lake	37	22
Uxbridge	11	23
Wilkesport	4	24

PART IV SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

Central Region	25
Northeastern Region	26
Northwestern Region	27
Southeastern Region	28
Southwestern Region	29

PART I

INTRODUCTION

INTRODUCTION

This report was prepared by Diane Green. The statistical summaries presented in this report pertain to the 1988 analytical results obtained from the Acidic Precipitation in Ontario Study (APIOS) cumulative ambient air monitoring network. The relevant data can be obtained on request from the Air Resources Branch of the Ontario Ministry of the Environment. Any sample of which sampling period is less than 23 days or greater than 33 days is not included in the statistics calculations. All available data are utilized in the calculations except results reported as being unreliable (i.e., results are identified as unreasonable values by using the validation procedures; detailed description of the validation procedure is available from the Ministry upon request) or approximate (i.e., inexact results are reported due to laboratory difficulties, such as may be encountered in calibration or when the samples cannot be analyzed to confirm the reported values). In a very few cases, concentration levels exceeded the upper limit of the range of the chemical analysis. Rather than using the upper limit, a decision was made to exclude these values from the statistics generated in this report. Results labelled as $<W$ are replaced by "zero". W is the level which the analytical technique cannot distinguish from zero. Prior to 1986, a level was recorded less than one detection limit T , a value corresponding to one half the detection limit was utilized for statistical calculations as reported in the statistical summaries. These values are no longer halved. Note that T is normally about ten times W , and values above the T criteria are considered to be precise and accurate. W corresponds to approximately one standard deviation of low level duplicate of real samples. In the presented statistics summaries, "Total Sulphur" is calculated by the summation of sulphur of Sulphur Dioxide and "Sulphate".

Beginning in 1985, "Sulphur Dioxide" is corrected by the addition of nylon filter sulfate. In these reports sulphur loading on nylon filters is interpreted as sulphur dioxide. However, it is possible that organic sulphur compounds also contribute to this loading. Methods do not currently exist to quantify this contribution in routine network operation.

The statistical summaries presented in Parts III to IV include number of samples, mean (arithmetic/geometric), standard deviation (arithmetic/geometric), maximum, minimum, quartiles. These statistics are for an average sampling period.

Whatman 40 Blank Filters

The occurrence of non-zero blank values for the Whatman 40 filters used in the cumulative network should be borne in mind when interpreting data from this method. Typical loadings mg/filter) for these blank filters, are summarized in Table 1.

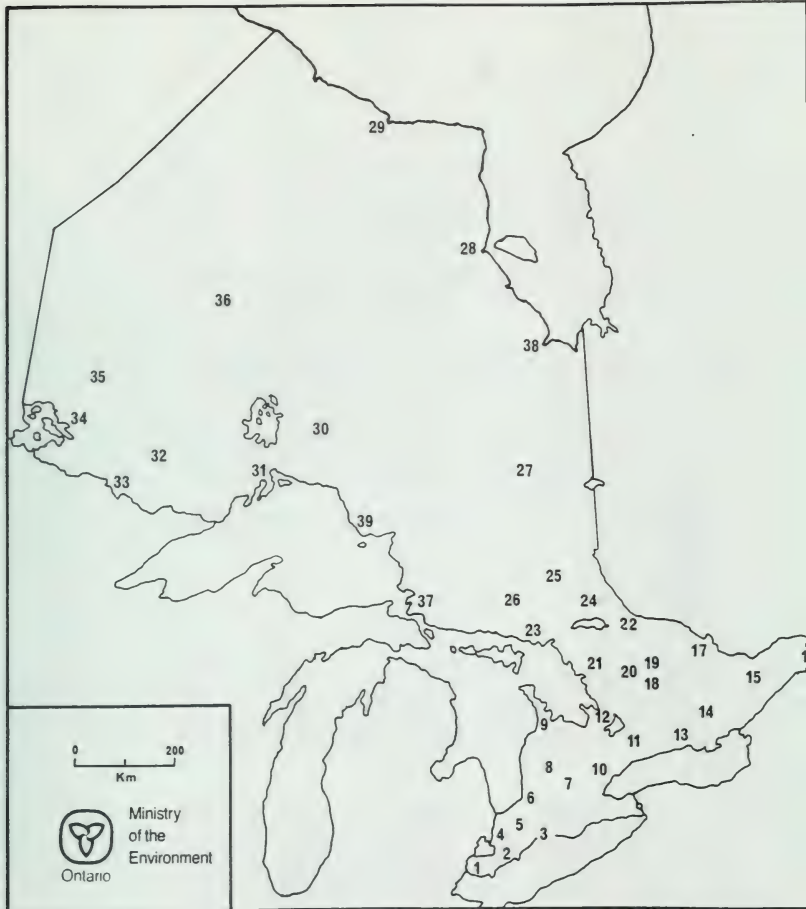
Table 1

Chemical of Filters Parameters	Total Samples	Blank Loading ($\mu\text{g}/\text{filter}$)		Number $\geq W$
		Mean*	S.D.*	
Sulphate	107	5.0 <T	0	22
Nitrate	107	1.4 <T	0.3	25
Calcium	96	2.88	0.68	96
Magnesium	97	0.69	1.33	65
Aluminum	97	0.59	0.56	45
Cadmium	97	0.010	0.006	91
Copper	97	0.03	0.02	70
Iron	97	0.92	0.70	95
Manganese	97	0.20	0.51	35
Nickel	97	0.04	0.07	54
Lead	97	0.12	0.13	38
Vanadium	97	0.02	0.002	36
Zinc	97	0.23	0.13	39
Sodium	107	2.66	0.95	106
Potassium	103	1.16	1.50	103
Chloride	107	8.8	2.8	105

*Calculated for $\geq W$ values only.

PART II

STATION DESCRIPTION AND LOCATION MAP



- | | | |
|---------------------|-----------------------|-----------------------------|
| 1. Colchester* | 15. Smith's Falls* | 29. Winisk (rem. Dec '86) |
| 2. Merlin | 16. Dalhousie Mills* | 30. Geraldton (replaced |
| 3. Pt. Stanley* | 17. Golden Lake* | Nakina, Aug '83) |
| 4. Wilkesport* | 18. Wilberforce | 31. Dorion* |
| 5. Alvinston | 19. Whitney | 32. Quetico Centre* |
| 6. Huron Park | 20. Dorset* | 33. Lac la Croix |
| 7. Waterloo | 21. McKellar* | 34. Experimental Lakes Area |
| 8. Palmerston* | 22. Mattawa* | 35. Ear Falls* |
| 9. Shallow Lake* | 23. Killarney* | 36. Pickle Lake* |
| 10. Milton (removed | 24. Bear Island | 37. Turkey Lake* |
| March '84) | 25. Gowganda* | 38. Moosonee* (installed |
| 11. Uxbridge* | 26. Azure Lake (repl. | October '85) |
| 12. Coldwater | Ramsey, June '83) | 39. Otter Island* |
| 13. Campbellford* | 27. Moonbeam* | (summer only) |
| 14. Cloyne* (repl. | 28. Attawapiskat | 40. Sutton, Quebec |
| Kalladar, June '83) | (rem. Feb '84) | (Intercomparison |
| | | Site) |

* indicates both a wet and dry deposition network site

ONTARIO MINISTRY OF THE ENVIRONMENT
APFOS-ACIDIC PRECIPITATION IN ONTARIO STUDY
CUMULATIVE AMBIENT AIR SITES

STATION ID	MOE REGION	STATION NAME	ELEV (M)	LATITUDE (NORTH)	LONGITUDE (WEST)	UTM GRID CO-ORDINATES (EASTING)
000001-22-21-1041	SOUTHWESTERN	COLCHESTER	183	41°55'15"	82°55'41"	4649973
000001-22-21-1061	SOUTHWESTERN	PORT STANLEY	213	42°40'22"	81°09'55"	4724277
000001-22-21-1071	SOUTHWESTERN	WILKESPORT	183	42°42'11"	82°21'13"	4728515
000001-22-21-1091	SOUTHWESTERN	SHALLOW LAKE	229	44°34'54"	81°06'58"	4936270
000001-22-21-1101	SOUTHWESTERN	PALMERSTON	389	43°48'19"	80°54'12"	4850035
000001-22-21-3011	CENTRAL	DORSET	320	45°13'26"	78°55'52"	5009656
000001-22-21-3061	CENTRAL	UXBRIDGE	244	44°12'46"	79°12'38"	4896847
000001-22-21-3081	CENTRAL	CAMPBELLFORD	175	44°17'28"	79°47'33"	4907763
000001-22-21-4061	SOUTHEASTERN	SMITH'S FALLS	122	44°56'41"	75°57'48"	4977044
000001-22-21-4071	SOUTHEASTERN	DALLHOUSIE MILLS	169	45°19'00"	74°28'13"	5018048
000001-22-21-4081	SOUTHEASTERN	GOLDEN LAKE	160	45°36'48"	77°12'03"	5053226
000001-22-21-4091	SOUTHEASTERN	CLOYNE	259	44°48'10"	77°11'07"	4964999
000001-22-21-5011	NORTHEASTERN	MCCELLAR	244	45°31'15"	79°55'19"	5041158
000001-22-21-5021	NORTHEASTERN	KILLARNEY	183	45°58'20"	81°29'18"	5090859
000001-22-21-5031	NORTHEASTERN	HATTANA	198	46°16'39"	78°49'19"	5126968
000001-22-21-5061	NORTHEASTERN	GONGANDA	323	47°39'04"	80°46'32"	5277329
000001-22-21-5071	NORTHEASTERN	MOOREHEAD	244	49°13'40"	82°01'10"	5464175
000001-22-21-5141	NORTHEASTERN	TURKEY LAKES	440	47°03'15"	84°24'20"	5214246
000001-22-21-5161	NORTHEASTERN	MOOSEWEE	8	51°12'35"	80°42'20"	5672970
000001-22-21-5201	NORTHEASTERN	MCFAIRLANE LAKE	246	46°25'57"	81°57'03"	5142324
000001-22-21-6011	NORTHWESTERN	DORION	244	48°50'33"	88°36'45"	5410982
000001-22-21-6031	NORTHWESTERN	EAR FALLS	350	50°38'31"	93°13'13"	5609814
000001-22-21-6041	NORTHWESTERN	PICKLE LAKE	360	51°02'41"	90°12'04"	5658308
000001-22-21-6071	NORTHWESTERN	QUETICO CENTRE	420	48°28'44"	91°12'08"	5330361
000001-22-21-6111	NORTHWESTERN	OTTER ISLAND	294	48°06'50"	86°04'25"	5692155
000001-22-21-6121	NORTHWESTERN	GERALTON	350	49°48'18"	86°45'52"	5516758

PART III

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY STATION

ONTARIO MINISTRY OF THE ENVIRONMENT
AFIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION
STATION=CARMBELFORD LOVEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	9	9	9	9	9	9	9
MAXIMUM	10.37	6.97	0.191	0.776	0.939	0.690	0.122
MINIMUM	2.36	1.12	0.041	0.211	0.246	0.157	0.015
ARITH. MEAN	6.64	3.18	0.103	0.574	0.466	0.435	0.059
ARITH. STD. DEV	3.02	1.68	0.052	0.175	0.216	0.189	0.031
GEOM. MEAN	5.90	2.85	0.092	0.540	0.430	0.393	0.052
1ST QUANTILE	3.40	2.43	0.061	0.473	0.290	0.267	0.041
2ND QUANTILE	7.58	2.85	0.097	0.637	0.452	0.421	0.057
3RD QUANTILE	8.98	3.37	0.150	0.667	0.517	0.614	0.072
MISSING VALUES	1	1	1	1	1	1	1
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	9	9	9	9	9	9	9
MAXIMUM	0.359	0.199	0.095	0.281	0.016	0.0131	0.005
MINIMUM	0.076	0.000	0.033	0.000	0.003	0.0029	0.000
ARITH. MEAN	0.198	0.087	0.060	0.108	0.008	0.0065	0.003
ARITH. STD. DEV	0.106	0.062	0.019	0.115	0.004	0.0032	0.002
GEOM. MEAN	0.173	0.088	0.057	0.102	0.007	0.0060	0.002
1ST QUANTILE	0.103	0.046	0.045	0.008	0.005	0.0048	0.002
2ND QUANTILE	0.196	0.075	0.059	0.052	0.008	0.0053	0.003
3RD QUANTILE	0.306	0.129	0.068	0.231	0.010	0.0086	0.004
MISSING VALUES	1	1	1	1	1	1	1
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL NITRATE UG/M**3	TOTAL N UG/M**3
# OF SAMPLES	9	9	9	9	9	9	9
MAXIMUM	0.00788	0.0026	0.01416	1.6663	6.81	6.81	0.97
MINIMUM	0.00072	0.0000	0.00039	0.4518	1.55	1.55	0.25
ARITH. MEAN	0.00239	0.0011	0.00674	0.8724	4.38	4.38	0.68
ARITH. STD. DEV	0.00232	0.0008	0.00488	0.3937	1.82	1.82	0.22
GEOM. MEAN	0.00180	0.0011	0.00403	0.8038	3.97	3.97	0.64
1ST QUANTILE	0.00100	0.0004	0.00139	0.5530	2.68	2.68	0.54
2ND QUANTILE	0.00177	0.0011	0.00744	0.8152	4.77	4.77	0.72
3RD QUANTILE	0.00255	0.0016	0.01040	1.0916	5.94	5.94	0.81
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
 APFOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-CLOVNE LOVEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	10.13	9.24	0.226	0.614	0.363	0.601	3.418
MINIMUM	1.24	3.09	0.074	0.133	0.000	0.168	0.044
ARITH. MEAN	4.42	5.33	0.127	0.318	0.211	0.344	0.699
ARITH. STD. DEV	2.34	2.28	0.045	0.158	0.109	0.146	1.153
GEOM. MEAN	3.90	4.93	0.120	0.281	0.214	0.315	0.237
1ST QUANTILE	2.70	3.36	0.094	0.158	0.130	0.190	0.093
2ND QUANTILE	4.56	4.42	0.123	0.264	0.202	0.321	0.112
3RD QUANTILE	4.99	7.51	0.163	0.424	0.316	0.457	1.128
MISSING VALUES	0	0	0	0	0	0	2
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.639	0.171	0.092	0.233	0.011	0.042	0.009
MINIMUM	0.037	0.037	0.033	0.000	0.000	0.004	0.001
ARITH. MEAN	0.261	0.112	0.067	0.098	0.062	0.0074	0.003
ARITH. STD. DEV	0.163	0.045	0.018	0.073	0.003	0.0028	0.002
GEOM. MEAN	0.220	0.102	0.065	0.089	0.006	0.0070	0.002
1ST QUANTILE	0.112	0.074	0.054	0.046	0.003	0.0055	0.002
2ND QUANTILE	0.252	0.120	0.073	0.063	0.006	0.0069	0.002
3RD QUANTILE	0.364	0.157	0.082	0.164	0.009	0.0091	0.003
MISSING VALUES	0	0	0	0	0	0	0
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL NITRATE UG/M**3	TOTAL N UG/M**3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.00775	0.0028	0.0427	0.0147	2.2359	6.18	0.71
MINIMUM	0.00108	0.0005	0.0132	0.00335	0.6612	1.65	0.23
ARITH. MEAN	0.00272	0.0012	0.0209	0.00782	1.0565	3.99	0.44
ARITH. STD. DEV	0.00200	0.0007	0.0082	0.00275	0.4556	1.12	0.17
GEOM. MEAN	0.00222	0.0010	0.0198	0.00732	0.9894	3.82	0.42
1ST QUANTILE	0.00119	0.0006	0.0151	0.00517	0.7565	3.69	0.32
2ND QUANTILE	0.00208	0.0011	0.0196	0.00814	0.8848	4.02	0.36
3RD QUANTILE	0.00323	0.0016	0.0233	0.01037	1.1748	4.43	0.63
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APFOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-DALROUSIE MILLS LOVEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	19.63	13.73	0.393	1.636	7.935	7.853	3.599
MINIMUM	2.30	0.28	0.052	0.259	0.396	0.312	0.084
ARITH. MEAN	7.56	5.17	0.134	0.677	1.725	1.383	0.506
ARITH. STD. DEV	5.82	3.65	0.109	0.118	2.241	2.306	1.161
GEOM. MEAN	5.87	3.78	0.108	0.514	1.138	0.733	0.166
1ST QUANTILE	3.12	3.39	0.066	0.305	0.650	0.333	0.088
2ND QUANTILE	5.65	3.77	0.083	0.697	0.878	0.617	0.099
3RD QUANTILE	11.11	6.72	0.189	0.871	1.723	1.120	0.186
MISSING VALUES	1	1	1	1	1	1	2
		IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	5.726	1.111	1.032	0.627	0.044	0.0656	0.006
MINIMUM	0.114	0.000	0.051	0.042	0.000	0.0114	0.000
ARITH. MEAN	1.174	0.245	0.252	0.256	0.012	0.0296	0.004
ARITH. STD. DEV	1.907	0.318	0.286	0.191	0.012	0.0188	0.002
GEOM. MEAN	0.429	0.179	0.176	0.192	0.010	0.0244	0.004
1ST QUANTILE	0.124	0.071	0.106	0.078	0.007	0.0117	0.003
2ND QUANTILE	0.387	0.179	0.167	0.225	0.009	0.0278	0.003
3RD QUANTILE	1.345	0.263	0.272	0.348	0.012	0.0467	0.005
MISSING VALUES	1	1	1	1	1	1	1
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL NITRATE UG/M**3	TOTAL N NITRATE UG/M**3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.02618	0.0071	0.85079	13.7435	12.43	2.03	11.00
MINIMUM	0.00126	0.0000	0.00060	0.0579	2.09	0.34	0.000
ARITH. MEAN	0.00462	0.0024	0.09293	2.3341	5.50	0.81	0.34
ARITH. STD. DEV	0.00772	0.0021	0.26654	4.2142	3.36	0.51	0.51
GEOM. MEAN	0.00254	0.0011	0.00818	0.8717	4.71	0.69	0.69
1ST QUANTILE	0.00158	0.0007	0.00371	0.5862	3.02	0.39	0.39
2ND QUANTILE	0.00177	0.0018	0.00508	0.6420	3.82	0.77	0.77
3RD QUANTILE	0.00318	0.0036	0.01751	1.9160	8.59	1.00	1.00
MISSING VALUES	1	1	1	1	1	1	1

ONTARIO MINISTRY OF THE ENVIRONMENT
APROS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION
STATION-DEPOSITION LEVEL SITE NO. 1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	1.71	1.45	0.114	0.197	0.324	0.260	0.050
MINIMUM	0.00	0.16	0.016	0.024	0.000	0.082	0.000
ARITH. MEAN	0.88	0.98	0.038	0.081	0.077	0.146	0.021
ARITH. STD. DEV	0.56	0.46	0.028	0.052	0.091	0.055	0.014
GEOM. MEAN	0.81	0.83	0.032	0.066	0.085	0.138	0.020
1ST QUANTILE	0.39	0.55	0.020	0.033	0.000	0.114	0.012
2ND QUANTILE	0.75	1.14	0.031	0.080	0.070	0.124	0.018
3RD QUANTILE	1.43	1.43	0.042	0.098	0.121	0.187	0.031
MISSING VALUES	0	0	0	0	0	1	0
		IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.222	0.249	0.474	0.661	0.007	0.087	0.004
MINIMUM	0.058	0.000	0.003	0.000	0.000	0.000	0.000
ARITH. MEAN	0.125	0.050	0.086	0.079	0.003	0.027	0.002
ARITH. STD. DEV	0.048	0.064	0.131	0.181	0.002	0.022	0.001
GEOM. MEAN	0.117	0.037	0.042	0.044	0.003	0.024	0.002
1ST QUANTILE	0.080	0.021	0.024	0.000	0.001	0.014	0.001
2ND QUANTILE	0.121	0.031	0.033	0.024	0.002	0.023	0.001
3RD QUANTILE	0.158	0.055	0.059	0.042	0.004	0.031	0.003
MISSING VALUES	0	0	0	0	1	0	0
		NICKEL	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/H+3	NITRATE
# OF SAMPLES	13	13	13	13	13	13.00	UG/H+3
MAXIMUM	0.00798	0.0013	0.0646	0.01586	1.1261	1.29	13.00
MINIMUM	0.00000	0.0000	0.0005	0.00012	0.1490	0.12	0.24
ARITH. MEAN	0.00302	0.0004	0.0085	0.00238	0.4345	0.16	0.44
ARITH. STD. DEV	0.00310	0.0004	0.012	0.00316	0.4397	0.38	0.16
GEOM. MEAN	0.00172	0.0004	0.0052	0.00247	0.3655	0.45	0.11
1ST QUANTILE	0.00043	0.0001	0.0003	0.00057	0.2510	0.43	0.07
2ND QUANTILE	0.00099	0.0002	0.0042	0.00389	0.3591	0.74	0.12
3RD QUANTILE	0.00651	0.0009	0.0081	0.00976	0.4763	1.13	0.14
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-DORSET LOVEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	8.06	5.63	0.317	0.348	0.499	0.383	0.080
MINIMUM	0.00	0.24	0.034	0.013	0.000	0.000	0.000
ARITH. MEAN	3.76	2.66	0.169	0.137	0.135	0.115	0.037
ARITH. STD. DEV	2.35	1.25	0.082	0.119	0.138	0.135	0.022
GEOM. MEAN	3.59	2.26	0.145	0.077	0.124	0.170	0.041
1ST QUANTILE	2.41	2.11	0.097	0.025	0.059	0.000	0.024
2ND QUANTILE	3.49	2.51	0.169	0.162	0.100	0.022	0.037
3RD QUANTILE	5.12	3.03	0.229	0.242	0.180	0.231	0.047
MISSING VALUES	0	0	0	0	0	0	0
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.355	0.310	0.358	0.157	0.002	0.0101	0.003
MINIMUM	0.000	0.000	0.000	0.000	0.002	0.0001	0.000
ARITH. MEAN	0.123	0.067	0.082	0.032	0.005	0.0039	0.002
ARITH. STD. DEV	0.102	0.087	0.106	0.045	0.004	0.0027	0.001
GEOM. MEAN	0.099	0.064	0.049	0.025	0.004	0.0029	0.002
1ST QUANTILE	0.035	0.014	0.024	0.002	0.002	0.0023	0.002
2ND QUANTILE	0.096	0.046	0.044	0.021	0.003	0.0029	0.002
3RD QUANTILE	0.191	0.066	0.101	0.037	0.007	0.0060	0.002
MISSING VALUES	0	0	0	0	4	0	0
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL N NITRATE UG/M3	
# OF SAMPLES	13	13	13	13	13	13.00	
MAXIMUM	0.00481	0.0012	0.0328	0.0140	0.9410	4.86	0.53
MINIMUM	0.00000	0.0000	0.0010	0.00000	0.3004	0.08	0.06
ARITH. MEAN	0.00144	0.0018	0.0118	0.00343	0.6669	2.77	0.31
ARITH. STD. DEV	0.00138	0.00172	0.00418	0.00418	0.1930	1.22	0.13
GEOM. MEAN	0.00130	0.00097	0.00118	0.00118	0.6362	2.18	0.27
1ST QUANTILE	0.00050	0.0004	0.00081	0.00015	0.5426	2.09	0.21
2ND QUANTILE	0.00083	0.0007	0.0106	0.00045	0.7084	2.77	0.29
3RD QUANTILE	0.00244	0.0131	0.00789	0.8254	3.26	3.26	0.39
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-EAR FALLS LOWEL SITE NO.1

	SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	2.56	1.66	0.069	1.020	0.271	0.330	0.045
MINIMUM	0.19	0.19	0.000	0.000	0.000	0.142	0.000
ARITH. MEAN	1.00	0.93	0.037	0.213	0.082	0.218	0.019
ARITH. STD. DEV	0.73	0.48	0.020	0.344	0.086	0.051	0.012
GEOM. MEAN	0.77	0.79	0.036	0.113	0.076	0.213	0.019
1ST QUANTILE	0.41	0.50	0.021	0.054	0.023	0.177	0.013
2ND QUANTILE	0.79	0.97	0.031	0.073	0.068	0.209	0.017
3RD QUANTILE	1.49	1.30	0.053	0.128	0.089	0.244	0.028
MISSING VALUES	2	2	0	0	2	2	2
		IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.391	0.109	0.281	0.181	0.006	0.068	0.003
MINIMUM	0.098	0.000	0.000	0.000	0.000	0.000	0.000
ARITH. MEAN	0.166	0.040	0.070	0.037	0.002	0.0025	0.001
ARITH. STD. DEV	0.082	0.035	0.078	0.053	0.002	0.0019	0.001
GEOM. MEAN	0.154	0.040	0.051	0.034	0.002	0.0023	0.001
1ST QUANTILE	0.129	0.017	0.018	0.000	0.000	0.0009	0.001
2ND QUANTILE	0.136	0.037	0.059	0.015	0.001	0.0022	0.001
3RD QUANTILE	0.182	0.054	0.094	0.057	0.003	0.0034	0.002
MISSING VALUES	2	2	2	2	3	2	2
		VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
		UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
# OF SAMPLES	13	13	13	13	13	13.00	13.00
MAXIMUM	0.02580	0.0026	0.0381	0.02396	1.2818	1.45	1.09
MINIMUM	0.00000	0.0000	0.0000	0.00018	0.0521	0.24	0.02
ARITH. MEAN	0.00505	0.0006	0.0073	0.00700	0.4299	0.81	0.25
ARITH. STD. DEV	0.00751	0.0007	0.0106	0.00793	0.3762	0.42	0.36
GEOM. MEAN	0.00332	0.0005	0.0060	0.00262	0.3064	0.69	0.13
1ST QUANTILE	0.00071	0.0002	0.0015	0.00044	0.1916	0.31	0.08
2ND QUANTILE	0.00222	0.0003	0.0059	0.00260	0.2773	0.83	0.11
3RD QUANTILE	0.00744	0.0009	0.0068	0.01446	0.5631	1.07	0.18
MISSING VALUES	2	2	2	2	2	2.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 AEPIS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION=GERALTON LOWEL SITE NO. 1

SULFUR DIOX	# OF SAMPLES	SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM		
		UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	
	MAXIMUM	1.64	1.58	0.089	0.156	0.689	0.275	0.131						
	MINIMUM	0.34	0.66	0.009	0.017	0.000	0.082	0.000						
	ARITH. MEAN	0.89	1.07	0.033	0.076	0.137	0.144	0.029						
	ARITH. STD. DEV	0.43	0.30	0.021	0.043	0.189	0.058	0.033						
	GEOM. MEAN	0.79	1.03	0.027	0.062	0.111	0.135	0.024						
	1ST QUARTILE	0.55	0.77	0.015	0.037	0.012	0.106	0.016						
	2ND QUARTILE	0.83	1.05	0.029	0.085	0.058	0.134	0.018						
	3RD QUARTILE	1.29	1.32	0.043	0.111	0.209	0.151	0.035						
	MISSING VALUES	0	0	0	0	0	0	0						
	SODIUM	# OF SAMPLES	IRON		ALUMINIUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
			UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
		MAXIMUM	0.250	0.115	0.153	0.360	0.005	0.0050	0.015					
MINIMUM		0.070	0.000	0.000	0.000	0.000	0.0000	0.000						
ARITH. MEAN		0.132	0.046	0.042	0.059	0.001	0.0018	0.002						
ARITH. STD. DEV		0.056	0.032	0.040	0.105	0.001	0.0016	0.004						
GEOM. MEAN		0.122	0.042	0.035	0.040	0.001	0.0020	0.001						
1ST QUARTILE		0.086	0.022	0.016	0.000	0.000	0.0004	0.001						
2ND QUARTILE		0.113	0.039	0.028	0.020	0.001	0.0012	0.001						
3RD QUARTILE		0.177	0.067	0.060	0.056	0.002	0.0032	0.002						
MISSING VALUES		0	0	0	0	1	0	0						
NICKEL		# OF SAMPLES	ZINC		CADMIUM		SULFATE NYL		TOTAL SULFUR		TOTAL N			
			UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
		MAXIMUM	0.00863	0.0013	0.0122	0.01340	0.9297	13.00						
	MINIMUM	0.00000	0.0000	0.0000	0.00011	0.2715	1.30							
	ARITH. MEAN	0.00244	0.0005	0.0039	0.00473	0.4511	0.41							
	ARITH. STD. DEV	0.00291	0.0005	0.0033	0.00434	0.1686	0.80							
	GEOM. MEAN	0.00188	0.0005	0.0016	0.00218	0.4284	0.28							
	1ST QUARTILE	0.00010	0.0001	0.0001	0.00036	0.3506	0.76							
	2ND QUARTILE	0.00139	0.0003	0.0013	0.00399	0.3901	0.58							
	3RD QUARTILE	0.00351	0.0010	0.0054	0.00779	0.5211	1.02							
	MISSING VALUES	0	0	0	0	0	0.00							

ONTARIO MINISTRY OF THE ENVIRONMENT
 APOIS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-GOLDEN LAKE JOVEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	7	7	7	7	7	7	7
MAXIMUM	14.07	4.77	0.163	0.441	0.266	0.380	0.074
MINIMUM	2.81	1.94	0.055	0.029	0.000	0.262	0.029
ARITH. MEAN	6.13	2.89	0.109	0.267	0.105	0.324	0.060
ARITH. STD. DEV	3.87	0.91	0.039	0.148	0.104	0.053	0.015
GEOM. MEAN	5.31	2.79	0.102	0.204	0.121	0.321	0.058
1ST QUANTILE	2.83	2.40	0.083	0.108	0.000	0.266	0.059
2ND QUANTILE	5.18	2.64	0.099	0.340	0.076	0.330	0.062
3RD QUANTILE	7.10	3.06	0.156	0.359	0.210	0.375	0.071
MISSING VALUES	0	0	0	0	0	0	0
	SODIUM UG/M3	IRON UG/M3	ALUMINUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	7	7	7	7	7	7	7
MAXIMUM	0.273	0.153	0.135	0.220	0.013	0.0120	0.005
MINIMUM	0.108	0.046	0.020	0.000	0.003	0.0042	0.001
ARITH. MEAN	0.137	0.085	0.053	0.112	0.006	0.0064	0.004
ARITH. STD. DEV	0.064	0.041	0.039	0.084	0.003	0.0026	0.001
GEOM. MEAN	0.187	0.078	0.044	0.113	0.005	0.0061	0.003
1ST QUANTILE	0.133	0.052	0.026	0.050	0.004	0.0044	0.003
2ND QUANTILE	0.220	0.072	0.042	0.085	0.005	0.0058	0.004
3RD QUANTILE	0.247	0.134	0.066	0.212	0.006	0.0067	0.005
MISSING VALUES	0	0	0	0	0	0	0
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL N NITRATE UG/M**3	
# OF SAMPLES	7	7	7	7	7.00	7.00	
MAXIMUM	0.02681	0.0017	0.02162	1.0974	8.02	0.53	
MINIMUM	0.00100	0.0003	0.00283	0.5232	2.43	0.08	
ARITH. MEAN	0.00533	0.0012	0.00802	0.8001	4.03	0.38	
ARITH. STD. DEV	0.00951	0.0004	0.00681	0.1807	1.89	0.18	
GEOM. MEAN	0.00241	0.0011	0.00617	0.7822	3.74	0.32	
1ST QUANTILE	0.00134	0.0010	0.00283	0.6837	3.00	0.19	
2ND QUANTILE	0.00152	0.0012	0.00510	0.8088	3.24	0.44	
3RD QUANTILE	0.00350	0.0016	0.01224	0.9093	4.43	0.51	
MISSING VALUES	0	0	0	0	0.00	0.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-GOACANDA LOVEL SITE NO.1

STATISTICAL SUMMARY DATA FOR NO. 1									
	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3		
# OF SAMPLES	13	13	13	13	13	13	13		
MAXIMUM	10.43	2.92	0.137	0.276	0.221	0.379	0.052		
MINIMUM	1.68	1.43	0.029	0.060	0.000	0.086	0.008		
ARITH. MEAN	4.30	2.16	0.076	0.127	0.068	0.189	0.031		
ARITH. STD. DEV	2.55	0.48	0.033	0.058	0.081	0.099	0.015		
GEOM. MEAN	3.69	2.11	0.069	0.117	0.066	0.168	0.027		
1ST QUANTILE	2.29	1.69	0.056	0.084	0.000	0.100	0.021		
2ND QUANTILE	3.90	2.28	0.071	0.117	0.022	0.169	0.031		
3RD QUANTILE	6.05	2.56	0.093	0.162	0.134	0.263	0.046		
MISSING VALUES	0	0	0	0	0	0	0		
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3		
# OF SAMPLES	13	13	13	13	13	13	13		
MAXIMUM	0.321	0.256	0.231	0.380	0.010	0.0070	0.007		
MINIMUM	0.060	0.000	0.011	0.000	0.000	0.0021	0.002		
ARITH. MEAN	0.152	0.072	0.091	0.096	0.004	0.0036	0.004		
ARITH. STD. DEV	0.085	0.073	0.078	0.138	0.004	0.0017	0.002		
GEOM. MEAN	0.131	0.065	0.073	0.067	0.004	0.0033	0.004		
1ST QUANTILE	0.073	0.029	0.023	0.009	0.002	0.0022	0.003		
2ND QUANTILE	0.130	0.045	0.064	0.038	0.003	0.0035	0.004		
3RD QUANTILE	0.226	0.098	0.160	0.158	0.009	0.0045	0.006		
MISSING VALUES	0	0	0	0	0	0	0		
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL N NITRATE UG/M**3			
# OF SAMPLES	13	13	13	13	13.00	13.00			
MAXIMUM	0.0512	0.0007	0.0295	0.01148	5.97	0.37			
MINIMUM	0.0061	0.0000	0.0041	0.00022	1.64	0.11			
ARITH. MEAN	0.0201	0.0003	0.0110	0.00272	2.87	0.20			
ARITH. STD. DEV	0.0155	0.0002	0.00348	0.00348	1.27	0.07			
GEOM. MEAN	0.0156	0.0004	0.0099	0.00124	2.65	0.19			
1ST QUANTILE	0.0106	0.0000	0.0077	0.00034	1.81	0.15			
2ND QUANTILE	0.0125	0.0004	0.0099	0.00180	2.49	0.19			
3RD QUANTILE	0.0377	0.0005	0.0118	0.00389	3.84	0.25			
MISSING VALUES	0	0	0	0	0	0			

STATION-KILLARNEY LOWEL SITE NO.1									
	SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM		
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3		
# OF SAMPLES	13	13	13	13	13	13	13		
MAXIMUM	13.05	4.81	0.166	0.372	0.399	0.398	0.062		
MINIMUM	1.77	1.34	0.044	0.116	0.000	0.104	0.008		
ARITH. MEAN	6.66	2.74	0.113	0.221	0.145	0.222	0.037		
ARITH. STD. DEV	3.22	1.09	0.038	0.068	0.118	0.086	0.017		
GEOM. MEAN	6.01	2.53	0.106	0.211	0.121	0.208	0.032		
1ST QUANTILE	3.65	1.66	0.079	0.190	0.045	0.152	0.022		
2ND QUANTILE	7.61	2.69	0.118	0.220	0.144	0.212	0.037		
3RD QUANTILE	8.88	3.60	0.148	0.250	0.172	0.256	0.052		
MISSING VALUES	1	1	1	1	1	1	1		
	SODIUM	IRON	ALUMINUM	MAGNESIUM	LEAD	MANGANESE	COPPER		
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3		
# OF SAMPLES	13	13	13	13	13	13	13		
MAXIMUM	0.210	0.214	0.218	0.292	0.012	0.082	0.011		
MINIMUM	0.081	0.000	0.018	0.000	0.000	0.0019	0.002		
ARITH. MEAN	0.131	0.097	0.100	0.078	0.007	0.0044	0.005		
ARITH. STD. DEV	0.052	0.065	0.071	0.103	0.004	0.0020	0.003		
GEOM. MEAN	0.125	0.089	0.076	0.058	0.006	0.0040	0.005		
1ST QUANTILE	0.082	0.052	0.036	0.018	0.003	0.0027	0.003		
2ND QUANTILE	0.107	0.082	0.081	0.039	0.007	0.0041	0.005		
3RD QUANTILE	0.193	0.155	0.175	0.087	0.010	0.0061	0.007		
MISSING VALUES	1	1	1	1	2	1	1		
	NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N		
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3		
# OF SAMPLES	13	13	13	13	13	13.00	13.00		
MAXIMUM	0.00789	0.0011	0.0159	0.1952	1.2780	7.71	0.54		
MINIMUM	0.00026	0.0000	0.0069	0.0025	0.4925	2.24	0.22		
ARITH. MEAN	0.00340	0.0005	0.0108	0.00387	0.7691	4.34	0.33		
ARITH. STD. DEV	0.00231	0.0004	0.0030	0.00614	0.2138	1.53	0.09		
GEOM. MEAN	0.00257	0.0006	0.0105	0.00124	0.7442	4.09	0.32		
1ST QUANTILE	0.00180	0.0001	0.0082	0.00029	0.5904	2.81	0.25		
2ND QUANTILE	0.00283	0.0005	0.0104	0.00062	0.8030	4.58	0.32		
3RD QUANTILE	0.00469	0.0007	0.0134	0.00605	0.8582	5.13	0.41		
MISSING VALUES	1	1	1	1	1	1.00	1.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

STATION-HATIANA LOVEL SITE NO.1														
# OF SAMPLES	SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM	
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11
MAXIMUM		9.57		3.89		0.118		0.345		0.336		0.457		0.087
MINIMUM		1.82		0.19		0.013		0.045		0.000		0.115		0.004
ARITH. MEAN		5.28		2.26		0.065		0.175		0.134		0.268		0.048
ARITH. STD. DEV		2.73		0.93		0.028		0.087		0.113		0.110		0.025
GEOM. MEAN		4.66		1.90		0.058		0.152		0.112		0.246		0.038
1ST QUANTILE		3.37		1.87		0.049		0.109		0.054		0.146		0.029
2ND QUANTILE		4.42		2.16		0.061		0.163		0.097		0.276		0.054
3RD QUANTILE		8.41		2.76		0.085		0.246		0.252		0.338		0.066
MISSING VALUES		0		0		0		0		0		0		0
# OF SAMPLES	SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11
MAXIMUM		0.868		0.624		0.645		0.501		0.017		0.0191		0.004
MINIMUM		0.050		0.000		0.007		0.000		0.000		0.0000		0.001
ARITH. MEAN		0.226		0.278		0.282		0.158		0.006		0.0098		0.003
ARITH. STD. DEV		0.224		0.231		0.249		0.168		0.007		0.0064		0.001
GEOM. MEAN		0.171		0.226		0.154		0.114		0.006		0.0092		0.003
1ST QUANTILE		0.103		0.061		0.042		0.014		0.000		0.0039		0.002
2ND QUANTILE		0.149		0.180		0.245		0.118		0.005		0.0088		0.003
3RD QUANTILE		0.246		0.566		0.634		0.292		0.013		0.0160		0.003
MISSING VALUES		0		0		0		0		1		0		0
# OF SAMPLES	NICKEL		ZINC		CADMIUM		SULFATE NTL		TOTAL SULFUR		TOTAL NITRATE			
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11		
MAXIMUM		0.00287		0.0016		0.0335		0.02098		1.1978		11.00		
MINIMUM		0.00077		0.0000		0.0017		0.00000		0.3625		5.50		
ARITH. MEAN		0.00167		0.0010		0.0154		0.00465		0.6811		0.97		
ARITH. STD. DEV		0.00066		0.0005		0.0079		0.00653		0.2276		3.39		
GEOM. MEAN		0.00156		0.0010		0.0129		0.00224		0.6491		3.10		
1ST QUANTILE		0.00131		0.0008		0.0113		0.00050		0.5429		2.66		
2ND QUANTILE		0.00151		0.0010		0.0157		0.00110		0.6243		2.93		
3RD QUANTILE		0.00215		0.0013		0.0190		0.00814		0.8226		4.83		
MISSING VALUES		0		0		0		0		0		0.00		

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-METALLAR LEVEL SITE NO.1

	SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	13.49	5.19	0.213	0.413	0.518	0.614	0.054
MINIMUM	2.34	1.52	0.046	0.096	0.000	0.134	0.007
ARITH. MEAN	5.86	2.84	0.126	0.243	0.140	0.286	0.034
ARITH. STD. DEV	3.65	0.92	0.048	0.108	0.152	0.160	0.015
GEOM. MEAN	5.00	2.71	0.117	0.217	0.168	0.250	0.030
1ST QUANTILE	3.31	2.27	0.091	0.120	0.000	0.149	0.024
2ND QUANTILE	3.91	2.58	0.115	0.266	0.115	0.214	0.032
3RD QUANTILE	8.23	3.30	0.171	0.307	0.193	0.430	0.048
MISSING VALUES	0	0	0	0	0	0	0
	SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COPPER
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.422	0.244	0.159	0.319	0.062	0.0063	0.024
MINIMUM	0.039	0.000	0.033	0.000	0.000	0.0018	0.002
ARITH. MEAN	0.176	0.086	0.070	0.074	0.010	0.0038	0.004
ARITH. STD. DEV	0.116	0.066	0.036	0.093	0.017	0.0012	0.005
GEOM. MEAN	0.140	0.090	0.064	0.056	0.006	0.0036	0.003
1ST QUANTILE	0.078	0.053	0.045	0.020	0.002	0.0031	0.002
2ND QUANTILE	0.142	0.063	0.058	0.042	0.004	0.0036	0.003
3RD QUANTILE	0.279	0.123	0.083	0.109	0.011	0.0040	0.004
MISSING VALUES	0	0	0	0	0	0	0
	NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
# OF SAMPLES	13	13	13	13	13	13.00	13.00
MAXIMUM	0.00458	0.0010	0.0298	0.0115	2.1272	7.57	0.59
MINIMUM	0.00000	0.0000	0.0015	0.00006	0.1211	1.68	0.14
ARITH. MEAN	0.00185	0.0005	0.0119	0.00288	0.8477	3.88	0.37
ARITH. STD. DEV	0.00140	0.0004	0.0065	0.00343	0.5035	1.76	0.15
GEOM. MEAN	0.00159	0.0006	0.0101	0.00119	0.7168	3.55	0.34
1ST QUANTILE	0.00086	0.0001	0.0089	0.00040	0.6525	2.77	0.24
2ND QUANTILE	0.00130	0.0006	0.0111	0.00177	0.6966	3.35	0.38
3RD QUANTILE	0.00341	0.0008	0.0139	0.00522	0.8521	4.87	0.49
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-MOONBEAM LOVEL SITE NO.1

# OF SAMPLES	SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM	
	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12
MAXIMUM	:	3.86	12	1.97	0	0.047	12	0.148	12	2.013	12	0.262	12	0.058
MINIMUM	:	0.49		0.86		0.010		0.026		0.000		0.098		0.008
ARITH. MEAN	:	1.51		1.43		0.026		0.071		0.350		0.194		0.032
ARITH. STD. DEV	:	0.98		0.32		0.013		0.031		0.572		0.049		0.014
GEOM. MEAN	:	1.25		1.39		0.023		0.065		0.170		0.188		0.029
1ST QUARTILE	:	0.64		1.23		0.015		0.049		0.064		0.169		0.023
2ND QUARTILE	:	1.43		1.44		0.023		0.070		0.118		0.191		0.029
3RD QUARTILE	:	1.78		1.65		0.041		0.087		0.522		0.245		0.043
MISSING VALUES	:	0		0		0		0		0		0		0
# OF SAMPLES	SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12
MAXIMUM	:	0.228	12	1.450		0.359	12	0.461	12	0.011	12	0.0096	12	0.006
MINIMUM	:	0.091		0.000		0.016		0.000		0.000		0.0022		0.001
ARITH. MEAN	:	0.155		0.193		0.135		0.106		0.004		0.0043		0.003
ARITH. STD. DEV	:	0.049		0.405		0.122		0.164		0.003		0.0024		0.001
GEOM. MEAN	:	0.147		0.081		0.081		0.074		0.004		0.0037		0.001
1ST QUARTILE	:	0.104		0.029		0.029		0.004		0.002		0.0025		0.002
2ND QUARTILE	:	0.167		0.049		0.089		0.040		0.005		0.0030		0.002
3RD QUARTILE	:	0.196		0.129		0.246		0.129		0.006		0.0059		0.003
MISSING VALUES	:	0		0		0		0		1		0		0
# OF SAMPLES	NICKEL		VANADIUM		ZINC		CADMIUM		SULFATE NYL		TOTAL SULFUR		TOTAL NITRATE	
	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12	UG/M3	12
MAXIMUM	:	0.00565	12	0.0009	12	0.0186	12	0.01698	12	0.8947	12	12.00	12	0.00
MINIMUM	:	0.00000		0.0000		0.0032		0.00013		0.3049		2.37		0.18
ARITH. MEAN	:	0.00162		0.0004		0.0085		0.00372		0.4540		0.53		0.04
ARITH. STD. DEV	:	0.00183		0.0003		0.0041		0.00531		0.1512		0.23		0.04
GEOM. MEAN	:	0.00116		0.0004		0.0077		0.00119		0.4370		0.19		0.09
1ST QUARTILE	:	0.00021		0.0002		0.0057		0.00028		0.3662		0.87		0.07
2ND QUARTILE	:	0.00083		0.0004		0.0070		0.00084		0.4180		1.24		0.10
3RD QUARTILE	:	0.00332		0.0007		0.0112		0.00632		0.4835		1.41		0.12
MISSING VALUES	:	0		0		0		0		0		0.00		0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APFOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION=MOOSEE LAVAL SITE NO.1

# OF SAMPLES	SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM	
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
MAXIMUM	:	1.77	2.08	0.030	0.082	0.355	0.639	0.040						
MINIMUM	:	0.22	0.43	0.000	0.000	0.000	0.132	0.006						
ARITH. MEAN	:	0.88	1.04	0.016	0.037	0.079	0.316	0.020						
ARITH. STD. DEV	:	0.47	0.42	0.007	0.022	0.092	0.129	0.010						
GEOM. MEAN	:	0.74	0.97	0.016	0.034	0.072	0.293	0.018						
1ST QUANTILE	:	0.44	0.67	0.011	0.020	0.031	0.229	0.013						
2ND QUANTILE	:	0.95	1.05	0.016	0.038	0.057	0.288	0.017						
3RD QUANTILE	:	1.14	1.20	0.020	0.051	0.080	0.371	0.027						
MISSING VALUES	:	0	0	0	0	0	0	0						
# OF SAMPLES	SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
MAXIMUM	:	0.347	0.068	0.062	0.265	0.008	0.0247	0.003						
MINIMUM	:	0.096	0.000	0.011	0.000	0.000	0.0009	0.001						
ARITH. MEAN	:	0.218	0.026	0.023	0.069	0.003	0.0036	0.002						
ARITH. STD. DEV	:	0.076	0.024	0.015	0.089	0.003	0.0064	0.001						
GEOM. MEAN	:	0.204	0.028	0.020	0.064	0.003	0.0019	0.001						
1ST QUANTILE	:	0.156	0.004	0.012	0.013	0.001	0.0011	0.001						
2ND QUANTILE	:	0.244	0.021	0.016	0.042	0.002	0.0013	0.001						
3RD QUANTILE	:	0.256	0.052	0.031	0.068	0.006	0.0028	0.002						
MISSING VALUES	:	0	0	0	0	0	0	0						
# OF SAMPLES	NICKEL		ZINC		CADMIUM		SULFATE NYL		TOTAL SULFUR		TOTAL NITRATE			
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M**3	13.00	UG/M**3	13.00		
MAXIMUM	:	0.00908	0.0029	0.0080	0.01726	0.5847	0.5847	1.36	0.10					
MINIMUM	:	0.00000	0.0000	0.0000	0.00000	0.0926	0.0926	0.25	0.02					
ARITH. MEAN	:	0.00174	0.0005	0.0035	0.00408	0.3341	0.3341	0.79	0.05					
ARITH. STD. DEV	:	0.00263	0.0008	0.0022	0.00583	0.1431	0.1431	0.33	0.02					
GEOM. MEAN	:	0.00129	0.0004	0.0033	0.00115	0.2999	0.2999	0.71	0.05					
1ST QUANTILE	:	0.00000	0.0000	0.0020	0.00016	0.2257	0.2257	0.51	0.03					
2ND QUANTILE	:	0.00046	0.0002	0.0033	0.00096	0.3118	0.3118	0.79	0.06					
3RD QUANTILE	:	0.00315	0.0007	0.0048	0.00606	0.4558	0.4558	1.02	0.07					
MISSING VALUES	:	0	0	0	0	0	0	0						

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-PIECLE LAKE LOWEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	2.00	1.29	0.077	0.123	0.875	0.399	0.037
MINIMUM	0.00	0.35	0.012	0.012	0.022	0.081	0.007
ARITH. MEAN	0.80	0.84	0.027	0.052	0.339	0.200	0.018
GEOM. MEAN	0.63	0.33	0.019	0.031	0.294	0.098	0.011
1ST QUANTILE	0.71	0.76	0.023	0.045	0.198	0.180	0.015
2ND QUANTILE	0.39	0.51	0.014	0.034	0.055	0.124	0.009
3RD QUANTILE	0.53	0.86	0.020	0.046	0.294	0.184	0.016
MISSING VALUES	1.23	1.24	0.033	0.076	0.566	0.259	0.029
	0	0	0	0	0	0	0
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	11	11	11	11	11	11	11
MAXIMUM	0.249	0.528	0.600	0.308	0.010	0.0153	0.018
MINIMUM	0.072	0.017	0.003	0.000	0.001	0.0006	0.001
ARITH. MEAN	0.141	0.171	0.170	0.080	0.005	0.0041	0.005
GEOM. MEAN	0.058	0.175	0.202	0.090	0.004	0.0043	0.006
1ST QUANTILE	0.131	0.090	0.070	0.048	0.004	0.0026	0.003
2ND QUANTILE	0.100	0.022	0.023	0.006	0.002	0.0011	0.001
3RD QUANTILE	0.109	0.106	0.066	0.053	0.004	0.0022	0.002
MISSING VALUES	0.178	0.303	0.337	0.127	0.010	0.0063	0.010
	0	0	0	0	1	0	0
	NICKEL UG/M3	VANADIUM UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M**3	TOTAL N NITRATE UG/M**3
# OF SAMPLES	11	11	11	11	11	11.00	11.00
MAXIMUM	0.0622	0.0014	0.0192	0.01929	0.8530	1.43	0.16
MINIMUM	0.0000	0.0000	0.0000	0.00013	0.1720	0.17	0.04
ARITH. MEAN	0.00268	0.0005	0.0050	0.00594	0.3616	0.68	0.08
GEOM. MEAN	0.00207	0.0004	0.0054	0.00618	0.2078	0.36	0.04
1ST QUANTILE	0.00221	0.0004	0.0036	0.00218	0.3368	0.59	0.07
2ND QUANTILE	0.00116	0.0002	0.0009	0.00035	0.2015	0.37	0.05
3RD QUANTILE	0.00229	0.0003	0.0036	0.00642	0.3363	0.63	0.06
MISSING VALUES	0.00470	0.0009	0.0058	0.01044	0.4763	0.83	0.10
	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION-FORT STANLEY JOVEL SITE NO.1

STATION-PORT STANLEY LOVEL SITE NO.1														
	SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM	
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	13													
MAXIMUM		13.74		8.92		0.256		1.217		0.853		0.847		0.143
MINIMUM		0.56		0.20		0.073		0.139		0.000		0.107		0.004
ARITH. MEAN		7.68		4.20		0.176		0.761		0.437		0.445		0.062
ARITH. STD. DEV		3.53		2.50		0.064		0.278		0.289		0.183		0.041
GEOM. MEAN		6.39		3.17		0.163		0.687		0.356		0.405		0.045
1ST QUANTILE		5.73		2.37		0.110		0.552		0.203		0.321		0.027
2ND QUANTILE		7.05		3.73		0.187		0.811		0.407		0.443		0.053
3RD QUANTILE		9.82		6.13		0.229		0.956		0.710		0.510		0.095
MISSING VALUES	0		0		0		0		0		0		0	
	SODIUM		IRON		ALUMINUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	13													
MAXIMUM		0.328		2.360		0.466		0.591		0.030		0.0369		0.005
MINIMUM		0.067		0.009		0.003		0.000		0.000		0.0010		0.001
ARITH. MEAN		0.158		0.344		0.156		0.129		0.010		0.0133		0.003
ARITH. STD. DEV		0.076		0.617		0.135		0.173		0.009		0.0099		0.001
GEOM. MEAN		0.144		0.162		0.091		0.082		0.007		0.0096		0.003
1ST QUANTILE		0.107		0.121		0.055		0.016		0.004		0.0056		0.002
2ND QUANTILE		0.129		0.148		0.107		0.070		0.006		0.0106		0.003
3RD QUANTILE		0.191		0.282		0.249		0.138		0.015		0.0197		0.005
MISSING VALUES	0		0		0		0		0		0		0	
	NICKEL		ZINC		CADMIUM		SULFATE NYL		TOTAL SULFUR		TOTAL N		NITRATE	
	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	13													
MAXIMUM		0.00645		0.0024		0.0350		0.01251		1.8809		7.74		1.44
MINIMUM		0.00080		0.0004		0.0006		0.00017		0.5790		0.35		0.21
ARITH. MEAN		0.00271		0.0015		0.0267		0.00382		1.0906		5.24		0.94
ARITH. STD. DEV		0.00185		0.0010		0.0109		0.00424		0.4105		1.83		0.32
GEOM. MEAN		0.00221		0.0013		0.0205		0.00159		1.0245		4.47		0.86
1ST QUANTILE		0.00140		0.0009		0.0208		0.00047		0.7944		4.51		0.74
2ND QUANTILE		0.00168		0.0017		0.0307		0.00146		0.9411		5.77		0.98
3RD QUANTILE		0.00428		0.0018		0.0342		0.00804		1.4759		6.12		1.16
MISSING VALUES	0		0		0		0		0					0.00

ONTARIO MINISTRY OF THE ENVIRONMENT

AFIOS - ACIDIC PRECIPITATION IN ONTARIO STUDY

SUMMARY STATISTICS OF CONCENTRATION

STATION-QUETICO CENTRE LOWEL SITE NO.1

# OF SAMPLES	SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM		CHLORIDE		POTASSIUM	
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11
MAXIMUM	1.88	2.71	0.230	0.522	0.346	0.418	0.182	0.002	0.000	0.112	0.002	0.000	0.002	0.002
MINIMUM	0.26	0.04	0.012	0.029	0.000	0.030	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ARITH. MEAN	0.91	1.01	0.064	0.121	0.060	0.039	0.039	0.051	0.131	0.099	0.051	0.131	0.021	0.021
GEOM. MEAN	0.55	0.74	0.067	0.142	0.081	0.183	0.021	0.008	0.103	0.123	0.008	0.123	0.026	0.026
ARITH. STD. DEV	0.76	0.66	0.042	0.081	0.048	0.093	0.015	0.050	0.093	0.194	0.050	0.093	0.050	0.050
1ST QUANTILE	0.48	0.41	0.021	0.048	0.021	0.048	0.015	0.050	0.093	0.194	0.050	0.093	0.050	0.050
2ND QUANTILE	0.74	0.95	0.040	0.063	0.063	0.125	0.015	0.050	0.093	0.194	0.050	0.093	0.050	0.050
3RD QUANTILE	1.50	1.39	0.087	0.125	0.087	0.125	0.015	0.050	0.093	0.194	0.050	0.093	0.050	0.050
MISSING VALUES	1	0	1	0	1	0	1	0	1	0	1	0	1	0
# OF SAMPLES	SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD		MANGANESE		COPPER	
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11
MAXIMUM	0.368	0.158	0.187	0.166	0.011	0.011	0.000	0.000	0.000	0.000	0.006	0.000	0.004	0.004
MINIMUM	0.051	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ARITH. MEAN	0.176	0.070	0.062	0.043	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.001
GEOM. MEAN	0.098	0.046	0.069	0.052	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.001	0.001
ARITH. STD. DEV	0.151	0.055	0.033	0.031	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.001	0.001
1ST QUANTILE	0.089	0.022	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.002	0.002
2ND QUANTILE	0.163	0.064	0.038	0.027	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
3RD QUANTILE	0.249	0.101	0.101	0.075	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.002	0.002
MISSING VALUES	0	0	0	0	1	1	0	0	1	1	0	0	0	0
# OF SAMPLES	NICKEL		VANADIUM		ZINC		CADMIUM		SULFATE NIL		TOTAL SULFUR		TOTAL NITRATE	
	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11	UG/M3	11
MAXIMUM	0.0687	0.0014	0.0000	0.0090	0.01388	0.8515	0.0017	0.0000	0.0000	0.0000	1.26	11.00	0.75	11.00
MINIMUM	0.00000	0.0000	0.0000	0.0000	0.00017	0.0000	0.00017	0.0000	0.0000	0.0000	0.26	0.04	0.04	0.04
ARITH. MEAN	0.00297	0.0005	0.0004	0.0039	0.00574	0.3822	0.00574	0.0000	0.0000	0.0000	0.78	0.19	0.21	0.21
GEOM. MEAN	0.00243	0.0004	0.0003	0.0032	0.00557	0.3066	0.00557	0.0000	0.0000	0.0000	0.33	0.13	0.13	0.13
ARITH. STD. DEV	0.00248	0.0005	0.0003	0.0030	0.00226	0.4152	0.00226	0.0000	0.0000	0.0000	0.71	0.07	0.07	0.07
1ST QUANTILE	0.00093	0.0002	0.0002	0.0007	0.00035	0.1251	0.00035	0.0000	0.0000	0.0000	0.50	0.15	0.15	0.15
2ND QUANTILE	0.00249	0.0003	0.0004	0.0040	0.00552	0.3180	0.00552	0.0000	0.0000	0.0000	0.77	0.20	0.20	0.20
3RD QUANTILE	0.00468	0.0009	0.0009	0.0068	0.01159	0.7246	0.01159	0.0000	0.0000	0.0000	1.07	1.00	1.00	1.00
MISSING VALUES	0	0	0	0	0	1	0	0	1	1	0	0	0	0

ONTARIO MINISTRY OF THE ENVIRONMENT
 AFIO5 - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION=SMITHS FALLS LOWEL SITE NO.1

	SULFUR DIOX	SULFATE	NITRIC	NITRATE	CALCIUM	CHLORIDE	POTASSIUM
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	10.81	6.51	0.224	0.692	1.819	1.192	0.175
MINIMUM	1.55	2.02	0.054	0.190	0.097	0.164	0.018
ARITH. MEAN	4.73	3.61	0.103	0.425	0.751	0.433	0.082
ARITH. STD. DEV	2.49	1.34	0.049	0.160	0.517	0.309	0.051
GEOM. MEAN	4.21	3.41	0.094	0.396	0.580	0.355	0.067
1ST QUANTILE	3.31	2.64	0.061	0.282	0.386	0.191	0.041
2ND QUANTILE	4.01	3.16	0.094	0.397	0.533	0.316	0.070
3RD QUANTILE	5.52	4.14	0.118	0.579	1.165	0.534	0.115
MISSING VALUES	0	0	0	0	0	0	0
	SODIUM	IRON	ALUMINIUM	MAGNESIUM	LEAD	MANGANESE	COOPER
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.723	0.388	0.241	0.820	0.014	0.0232	0.004
MINIMUM	0.094	0.000	0.025	0.046	0.000	0.0059	0.001
ARITH. MEAN	0.289	0.180	0.121	0.335	0.010	0.0128	0.002
ARITH. STD. DEV	0.199	0.109	0.067	0.241	0.004	0.0059	0.001
GEOM. MEAN	0.234	0.173	0.103	0.260	0.010	0.0116	0.002
1ST QUANTILE	0.125	0.107	0.071	0.167	0.007	0.0074	0.001
2ND QUANTILE	0.234	0.142	0.095	0.252	0.011	0.0111	0.002
3RD QUANTILE	0.439	0.270	0.182	0.490	0.013	0.0181	0.003
MISSING VALUES	0	0	0	0	0	0	0
	NICKEL	VANADIUM	ZINC	CADMIUM	SULFATE NYL	TOTAL SULFUR	TOTAL N
	UG/M3	UG/M3	UG/M3	UG/M3	UG/M3	UG/M**3	UG/M**3
# OF SAMPLES	13	13	13	13	13	13.00	13.00
MAXIMUM	0.00322	0.0027	0.0271	0.00984	1.0380	6.41	0.80
MINIMUM	0.00094	0.0005	0.0094	0.00353	0.4618	2.02	0.29
ARITH. MEAN	0.00162	0.0014	0.0185	0.00747	0.7141	3.57	0.53
ARITH. STD. DEV	0.00071	0.0007	0.0057	0.00191	0.1732	1.23	0.17
GEOM. MEAN	0.00151	0.0012	0.0177	0.00719	0.6954	3.39	0.50
1ST QUANTILE	0.00106	0.0009	0.0148	0.00609	0.6001	2.65	0.37
2ND QUANTILE	0.00146	0.0011	0.0163	0.00825	0.6839	3.33	0.48
3RD QUANTILE	0.00178	0.0021	0.0245	0.00876	0.8529	4.29	0.71
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APFOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION
 STATION=TOURKEY LAKES LOWEL SITE NO.1

	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	5.89	3.49	0.163	0.273	0.347	0.276	0.082
MINIMUM	0.88	1.46	0.034	0.061	0.000	0.073	0.009
ARITH. MEAN	2.52	2.02	0.081	0.150	0.106	0.174	0.033
ARITH. STD. DEV	1.41	0.56	0.038	0.063	0.105	0.062	0.021
GEOM. MEAN	2.19	1.96	0.073	0.137	0.107	0.163	0.028
1ST QUANTILE	1.32	1.57	0.052	0.095	0.015	0.120	0.016
2ND QUANTILE	2.26	1.88	0.079	0.152	0.069	0.172	0.025
3RD QUANTILE	3.39	2.28	0.105	0.189	0.192	0.233	0.051
MISSING VALUES	0	0	0	0	0	0	0
	SODIUM UG/M3	IRON UG/M3	ALUMINIUM UG/M3	MAGNESIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	13	13	13	13	13	13	13
MAXIMUM	0.215	0.140	0.203	0.284	0.009	0.0088	0.009
MINIMUM	0.049	0.000	0.026	0.000	0.000	0.0020	0.001
ARITH. MEAN	0.130	0.065	0.072	0.075	0.003	0.0043	0.003
ARITH. STD. DEV	0.056	0.045	0.046	0.088	0.003	0.0020	0.002
GEOM. MEAN	0.118	0.067	0.061	0.069	0.003	0.0039	0.002
1ST QUANTILE	0.075	0.029	0.033	0.010	0.000	0.0026	0.002
2ND QUANTILE	0.141	0.057	0.088	0.039	0.003	0.0043	0.002
3RD QUANTILE	0.161	0.102	0.096	0.095	0.005	0.0054	0.003
MISSING VALUES	0	0	0	0	0	0	0
	NICKEL UG/M3	ZINC UG/M3	CADMIUM UG/M3	SULFATE NYL UG/M3	TOTAL SULFUR UG/M3	TOTAL N NITRATE UG/M3	
# OF SAMPLES	13	13	13	13	13	13	
MAXIMUM	0.00514	0.0010	0.0313	0.01257	1.0230	3.48	0.37
MINIMUM	0.00000	0.0000	0.0027	0.00000	0.4339	1.07	0.12
ARITH. MEAN	0.00167	0.0004	0.0092	0.00354	0.6545	1.93	0.23
ARITH. STD. DEV	0.00178	0.0003	0.0076	0.00456	0.1659	0.70	0.09
GEOM. MEAN	0.00113	0.0005	0.0073	0.00131	0.6365	1.82	0.22
1ST QUANTILE	0.00038	0.0000	0.0049	0.00013	0.5254	1.34	0.15
2ND QUANTILE	0.00102	0.0004	0.0063	0.00127	0.6429	1.78	0.23
3RD QUANTILE	0.00325	0.0004	0.0118	0.00609	0.7693	2.45	0.31
MISSING VALUES	0	0	0	0	0	0.00	0.00

ONTARIO MINISTRY OF THE ENVIRONMENT
 APFOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

		STATION-ORRIDGE LOWEL SITE NO.1									
		SULFUR DIOX		SULFATE		NITRIC		NITRATE		CALCIUM	
		UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	:	13		13		13		13		13	
MAXIMUM	:	46.20		41.25		1.699		4.246		7.896	
MINIMUM	:	1.37		0.75		0.006		0.108		0.000	
ARITH. MEAN	:	8.44		5.74		0.205		0.697		0.916	
ARITH. STD. DEV	:	12.49		11.25		0.472		1.131		2.266	
GEOM. MEAN	:	4.74		2.82		0.071		0.352		0.406	
1ST QUANTILE	:	2.47		1.59		0.034		0.264		0.144	
2ND QUANTILE	:	4.10		2.37		0.072		0.378		0.237	
3RD QUANTILE	:	9.61		3.90		0.120		0.608		0.473	
MISSING VALUES	:	1		1		1		1		1	
		SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD	
		UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	:	13		13		13		13		13	
MAXIMUM	:	2.275		2.062		1.092		0.789		0.249	
MINIMUM	:	0.073		0.017		0.014		0.000		0.000	
ARITH. MEAN	:	0.378		0.252		0.155		0.104		0.029	
ARITH. STD. DEV	:	0.609		0.574		0.301		0.223		0.073	
GEOM. MEAN	:	0.211		0.092		0.069		0.064		0.010	
1ST QUANTILE	:	0.098		0.052		0.037		0.000		0.003	
2ND QUANTILE	:	0.195		0.066		0.060		0.024		0.007	
3RD QUANTILE	:	0.358		0.136		0.091		0.121		0.013	
MISSING VALUES	:	1		1		1		1		2	
		NICKEL		VANADIUM		ZINC		CADMIUM		SULFATE NYL	
		UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13	UG/M3	13
# OF SAMPLES	:	13		13		13		13		13	
MAXIMUM	:	0.01213		0.0061		0.2396		0.01464		12.4355	
MINIMUM	:	0.00000		0.0001		0.0057		0.00025		0.1902	
ARITH. MEAN	:	0.00316		0.0012		0.0383		0.00562		1.6583	
ARITH. STD. DEV	:	0.00328		0.0016		0.0641		0.00541		3.4028	
GEOM. MEAN	:	0.00298		0.0008		0.0219		0.00234		0.7937	
1ST QUANTILE	:	0.00124		0.0006		0.0115		0.00030		0.5621	
2ND QUANTILE	:	0.00232		0.0009		0.0200		0.00576		0.7423	
3RD QUANTILE	:	0.00433		0.0012		0.0314		0.00919		0.8740	
MISSING VALUES	:	1		1		1		1		1	
		TOTAL N		TOTAL S		TOTAL S		TOTAL S		TOTAL N	
		UG/M**3	13	UG/M**3	13	UG/M**3	13	UG/M**3	13	UG/M**3	13
MAXIMUM	:	5.94		36.85		13.00		36.85		13.00	
MINIMUM	:	0.18		4.06		1.00		4.06		1.00	
ARITH. MEAN	:	1.60		9.40		6.13		9.40		6.13	
ARITH. STD. DEV	:	0.51		3.45		2.45		3.45		2.45	
GEOM. MEAN	:	0.29		1.46		1.46		1.46		1.46	
1ST QUANTILE	:	0.47		2.97		2.97		2.97		2.97	
2ND QUANTILE	:	0.64		5.79		5.79		5.79		5.79	
3RD QUANTILE	:	1.00		1.00		1.00		1.00		1.00	
MISSING VALUES	:	1		1		1		1		1	

STATION-WILKESPORT LOVEL SITE NO.1						CALCIUM		CHLORIDE		POTASSIUM
	SULFUR DIOX	SULFATE	NITRIC	NITRATE		UG/M ³	UG/M ³	UG/M ³	UG/M ³	UG/M ³
# OF SAMPLES	13	13	13	13		13	13	13	13	
MAXIMUM	20.94	9.00	0.225	1.151		1.433		0.741	0.105	
MINIMUM	6.72	0.59	0.042	0.222		0.000		0.282	0.000	
ARITH. MEAN	11.37	3.15	0.118	0.665		0.454		0.538	0.046	
ARITH. STD. DEV	3.86	2.47	0.053	0.297		0.436		0.136	0.031	
GEOM. MEAN	10.84	2.25	0.107	0.595		0.339		0.520	0.049	
1ST QUANTILE	8.36	0.82	0.078	0.438		0.047		0.435	0.023	
2ND QUANTILE	10.76	3.02	0.108	0.630		0.502		0.585	0.052	
3RD QUANTILE	13.56	4.60	0.162	0.910		0.662		0.646	0.064	
MISSING VALUES	0	0	0	0		0	0	0	0	
	SODIUM	IRON	ALUMINUM	MAGNESIUM		LEAD	MANGANESE	COPPER		
	UG/M ³	UG/M ³	UG/M ³	UG/M ³		UG/M ³	UG/M ³	UG/M ³		
# OF SAMPLES	13	13	13	13		13	13	13		
MAXIMUM	0.220	0.354	0.322	0.531		0.046		0.0156	0.004	
MINIMUM	0.070	0.013	0.000	0.000		0.000		0.0000	0.000	
ARITH. MEAN	0.162	0.129	0.107	0.117		0.010		0.0068	0.003	
ARITH. STD. DEV	0.040	0.096	0.110	0.172		0.013		0.0051	0.001	
GEOM. MEAN	0.156	0.091	0.066	0.060		0.005		0.0053	0.003	
1ST QUANTILE	0.143	0.038	0.017	0.018		0.001		0.0012	0.002	
2ND QUANTILE	0.165	0.149	0.076	0.058		0.005		0.0074	0.003	
3RD QUANTILE	0.189	0.180	0.165	0.107		0.014		0.0107	0.003	
MISSING VALUES	0	0	0	0		0	0	0	0	
	NICKEL	ZINC	CADMIUM	TOTAL		SULFATE NYL	SOLUBLE	TOTAL N		
	UG/M ³	UG/M ³	UG/M ³	UG/M ³		UG/M ³	UG/M ³	UG/M ³		
# OF SAMPLES	13	13	13	13		13	13	13		
MAXIMUM	0.09583	0.0057	0.0447	0.01269		1.9313	13.00	13.00		
MINIMUM	0.00000	0.0000	0.0006	0.00000		0.5781	11.04	1.26		
ARITH. MEAN	0.00981	0.0018	0.0231	0.00382		1.0047	3.56	0.78		
ARITH. STD. DEV	0.02591	0.0019	0.0145	0.00468		0.3767	2.18	0.31		
GEOM. MEAN	0.00316	0.0015	0.0156	0.00175		0.9471	6.40	0.72		
1ST QUANTILE	0.00114	0.0001	0.0080	0.00039		0.7038	7.04	0.52		
2ND QUANTILE	0.00258	0.0012	0.0254	0.00123		1.0074	8.19	1.01		
3RD QUANTILE	0.00515	0.0030	0.0345	0.00815		1.2376	9.00	1.00		
MISSING VALUES	0	0	0	0		0	0	0		

PART IV

SUMMARY STATISTICS OF OBSERVED CONCENTRATION BY REGION

ONTARIO MINISTRY OF THE ENVIRONMENT
 APIS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

	REGION-NW									
	SULFUR DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	MANGANESE UG/M3	COPPER UG/M3	
# OF SAMPLES	61	61	61	61	61	61	61	61	2	
MAXIMUM	2.56	2.71	0.230	1.020	0.875	0.418	0.182	0.013	0.018	
MINIMUM	0.00	0.04	0.000	0.000	0.000	0.081	0.000	0.000	0.000	
ARITH. MEAN	0.89	0.97	0.039	0.110	0.192	0.190	0.025	0.002	0.002	
ARITH. STD. DEV	0.57	0.47	0.035	0.177	0.193	0.078	0.028	0.002	0.004	
GEOM. MEAN	0.77	0.82	0.031	0.070	0.131	0.165	0.020	0.002	0.001	
1ST QUANTILE	0.44	0.65	0.020	0.039	0.074	0.122	0.012	0.001	0.001	
2ND QUANTILE	0.71	0.97	0.030	0.068	0.071	0.166	0.018	0.002	0.001	
3RD QUANTILE	1.36	1.31	0.045	0.105	0.216	0.212	0.030	0.0037	0.003	
MISSING VALUES	3	2	1	0	2	3	2	2	2	
# OF SAMPLES	61	61	61	61	61	61	61	61	61	
MAXIMUM	0.391	0.528	0.600	0.661	0.011	0.013	0.018	0.000	0.000	
MINIMUM	0.051	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
ARITH. MEAN	0.147	0.074	0.085	0.060	0.003	0.009	0.002	0.002	0.002	
ARITH. STD. DEV	0.070	0.096	0.121	0.108	0.003	0.006	0.004	0.002	0.002	
GEOM. MEAN	0.133	0.050	0.044	0.039	0.002	0.004	0.001	0.001	0.001	
1ST QUANTILE	0.094	0.022	0.016	0.005	0.001	0.002	0.001	0.001	0.001	
2ND QUANTILE	0.131	0.039	0.039	0.025	0.002	0.002	0.001	0.002	0.001	
3RD QUANTILE	0.178	0.086	0.094	0.058	0.004	0.0037	0.003	0.0037	0.003	
MISSING VALUES	2	2	2	2	7	2	2	2	2	
# OF SAMPLES	61	61	61	61	61	61	61	61	61	
MAXIMUM	0.02580	0.0026	0.0646	0.02396	1.2818	1.45	1.00	1.09	1.09	
MINIMUM	0.00000	0.0000	0.0000	0.0001	0.0000	0.12	0.02	0.02	0.02	
ARITH. MEAN	0.00320	0.0005	0.0058	0.00571	0.4183	0.77	0.15	0.15	0.15	
ARITH. STD. DEV	0.00401	0.0005	0.0096	0.00572	0.2701	0.34	0.20	0.20	0.20	
GEOM. MEAN	0.00222	0.0005	0.0040	0.00233	0.3671	0.68	0.10	0.10	0.10	
1ST QUANTILE	0.00056	0.0002	0.0009	0.00044	0.2523	0.50	0.06	0.06	0.06	
2ND QUANTILE	0.00209	0.0003	0.0038	0.00399	0.3506	0.75	0.16	0.16	0.16	
3RD QUANTILE	0.00470	0.0009	0.0065	0.00900	0.5029	1.04	0.16	0.16	0.16	
MISSING VALUES	2	2	2	2	3	3.00	1.00	1.00	1.00	

ONTARIO MINISTRY OF THE ENVIRONMENT
 APLOS - ACIDIC PRECIPITATION IN ONTARIO STUDY
 SUMMARY STATISTICS OF CONCENTRATION

	REGION=SE									
	SULFUR-DIOX UG/M3	SULFATE UG/M3	NITRIC UG/M3	NITRATE UG/M3	CALCIUM UG/M3	CHLORIDE UG/M3	POTASSIUM UG/M3	LEAD UG/M3	MANGANESE UG/M3	COPPER UG/M3
# OF SAMPLES	42	42	42	42	42	42	42	42	42	42
MAXIMUM	19.63	13.73	0.393	1.636	7.935	7.853	3.599			
MINIMUM	1.24	0.28	0.052	0.029	0.000	0.164	0.018			
ARITH. MEAN	5.58	4.33	0.118	0.431	1.733	0.622	0.325			
ARITH. STD. DEV	3.84	2.44	0.066	0.282	1.284	1.193	0.810			
GEOM. MEAN	4.65	3.73	0.105	0.353	0.434	0.403	0.109			
1ST QUANTILE	3.05	2.89	0.079	0.255	0.185	0.269	0.060			
2ND QUANTILE	4.44	3.58	0.099	0.382	0.363	0.338	0.092			
3RD QUANTILE	6.81	5.31	0.150	0.579	0.858	0.512	0.133			
MISSING VALUES	1	1	1	1	1	1	4			
# OF SAMPLES	42	42	42	42	42	42	42	42	42	42
MAXIMUM	5.726	1.111	1.032	0.820	0.044	0.0656	0.009			
MINIMUM	0.094	0.000	0.020	0.000	0.000	0.0042	0.000			
ARITH. MEAN	0.482	0.161	0.127	0.214	0.007	0.0144	0.003			
ARITH. STD. DEV	0.999	0.175	0.181	0.197	0.007	0.0133	0.002			
GEOM. MEAN	0.257	0.130	0.084	0.160	0.008	0.0109	0.003			
1ST QUANTILE	0.128	0.073	0.054	0.066	0.005	0.0059	0.002			
2ND QUANTILE	0.238	0.120	0.087	0.171	0.008	0.0092	0.003			
3RD QUANTILE	0.388	0.198	0.154	0.259	0.012	0.0156	0.004			
MISSING VALUES	1	1	1	1	1	1	1			
# OF SAMPLES	42	42	42	42	42	42	42	42	42	42
MAXIMUM	0.02681	0.0071	0.0720	0.85079	13.7435	12.43	42.00			
MINIMUM	0.00094	0.0000	0.0088	0.00060	0.0579	1.65	2.03			
ARITH. MEAN	0.00328	0.0016	0.0234	0.02850	1.2158	4.23	0.08			
ARITH. STD. DEV	0.00550	0.0013	0.0129	0.13179	2.1198	2.10	0.32			
GEOM. MEAN	0.00206	0.0003	0.0209	0.00727	0.8241	3.86	0.48			
1ST QUANTILE	0.00130	0.0003	0.0153	0.00477	0.6095	3.01	0.35			
2ND QUANTILE	0.00160	0.0012	0.0217	0.00717	0.7900	3.70	0.48			
3RD QUANTILE	0.00301	0.0018	0.0272	0.00922	0.9594	4.48	0.71			
MISSING VALUES	1	1	1	1	1	1	1.00			

ONTARIO MINISTRY OF THE ENVIRONMENT
APROS - ACIDIC PRECIPITATION IN ONTARIO STUDY
SUMMARY STATISTICS OF CONCENTRATION

		REGION-SW									
		SULFUR-DIOX		SULFATE		NITRIC		NITRATE		CALCIUM	
		UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65
# OF SAMPLES	:	65									
MAXIMUM	:		20.94		11.71		0.421		1.473		5.849
MINIMUM	:		0.07		0.00		0.000		0.013		0.000
ARITH. MEAN	:		8.44		3.72		0.136		0.703		0.712
ARITH. STD. DEV	:		4.66		2.50		0.075		0.332		1.092
GEOM. MEAN	:		6.49		2.82		0.115		0.388		0.398
1ST QUANTILE	:		4.36		1.96		0.087		0.473		0.311
2ND QUANTILE	:		8.09		3.45		0.122		0.719		0.364
3RD QUANTILE	:		11.93		4.90		0.183		0.934		0.648
MISSING VALUES	:	2		2		2		2		2	
		SODIUM		IRON		ALUMINIUM		MAGNESIUM		LEAD	
		UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65
# OF SAMPLES	:		65		2.360		1.030		1.138		0.046
MAXIMUM	:		0.328		0.000		0.000		0.000		0.000
MINIMUM	:		0.044		0.000		0.000		0.000		0.000
ARITH. MEAN	:		0.156		0.203		0.142		0.153		0.010
ARITH. STD. DEV	:		0.063		0.337		0.161		0.222		0.010
GEOM. MEAN	:		0.144		0.115		0.086		0.085		0.007
1ST QUANTILE	:		0.111		0.065		0.045		0.027		0.003
2ND QUANTILE	:		0.150		0.123		0.094		0.070		0.006
3RD QUANTILE	:		0.188		0.197		0.212		0.167		0.015
MISSING VALUES	:	2		2		2		2		7	
		NICKEL		VANADIUM		ZINC		CADMIUM		SULFATE NYL	
		UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65
# OF SAMPLES	:		65		0.09583		0.0877		0.02136		1.9313
MAXIMUM	:		0.00000		0.0000		0.0006		0.00000		0.0000
MINIMUM	:		0.00418		0.0016		0.0267		0.00456		0.9449
ARITH. MEAN	:		0.01192		0.0017		0.0190		0.00524		0.4035
ARITH. STD. DEV	:		0.00221		0.0013		0.0187		0.00199		0.8820
GEOM. MEAN	:		0.00129		0.0007		0.0136		0.00058		0.6675
1ST QUANTILE	:		0.00202		0.0013		0.0228		0.00208		0.8552
2ND QUANTILE	:		0.00407		0.0018		0.0350		0.00814		1.1088
3RD QUANTILE	:			2		2		2		2	
MISSING VALUES	:	2		2		2		2		2	
		TOTAL N		TOTAL SULFUR		TOTAL NITRATE		TOTAL NITRATE		TOTAL NITRATE	
		UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65	UG/M3	65
# OF SAMPLES	:		65		11.04		11.04		11.04		11.04
MAXIMUM	:		0.0000		0.0000		0.0000		0.0000		0.0000
MINIMUM	:		0.00418		0.0016		0.0267		0.00456		0.9449
ARITH. MEAN	:		0.01192		0.0017		0.0190		0.00524		0.4035
ARITH. STD. DEV	:		0.00221		0.0013		0.0187		0.00199		0.8820
GEOM. MEAN	:		0.00129		0.0007		0.0136		0.00058		0.6675
1ST QUANTILE	:		0.00202		0.0013		0.0228		0.00208		0.8552
2ND QUANTILE	:		0.00407		0.0018		0.0350		0.00814		1.1088
3RD QUANTILE	:			2		2		2		2	
MISSING VALUES	:	2		2		2		2		2	

^2

